

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



10/507416



(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/076464 A2

(51) International Patent Classification⁷: C07K 14/38,
A61K 38/00

(21) International Application Number: PCT/IB03/01374

(22) International Filing Date: 13 March 2003 (13.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/363,543 13 March 2002 (13.03.2002) US
60/434,407 19 December 2002 (19.12.2002) US

(71) Applicants (for all designated States except US): BAYER
CROPSCIENCE SA [FR/FR]; 55, avenue Rene Cassin,
F-69009 Lyon (FR). INSTITUT PASTEUR [FR/FR];
25-28, rue du Docteur Roux, F-75015 Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GROS-
JEAN-COURNOYER, Marie-Claire [FR/FR]; La
Trève Collonge, Route d'Albigny, F-69250 Curis Au Mont
D'Ore (FR). D'ENFERT, Christophe, Didier [FR/FR];
18, rue du Grand Prieure, F-75011 Paris (FR). FIRON,
Arnaud [FR/FR]; 20, avenue du Maine, F-75015 Paris
(FR). VILLALBA, François [ES/FR]; 16 bis, avenue
Guy de Collongue, F-69130 Ecully (FR). LEBRUN,
Marc-Henri [FR/FR]; 62, rue de Brest, F-69002 Lyon
(FR). BEFFA, Roland [FR/FR]; 41, allée Antonin Dumas,
F-69230 St. Genis Laval (FR).

(74) Agents: MARTIN, Jean-Jacques et al.; Cabinet Regim-
beau, 20, rue de Chazelles, F-75847 Paris Cedex 17 (FR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted
a patent (Rule 4.17(ii)) for the following designations AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG,
UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR),
OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG)
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

- without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MUTAGENESIS OF *ASPERGILLUS* FUNGI AND GENES ESSENTIAL FOR GROWTH

(57) Abstract: The present invention is directed to polynucleotides encoding proteins Essential For the Growth (EFG) of filaments fungi. The invention also deals with namely polypeptides encoded by said polynucleotides, screening assays for identifying com-
pounds capable of inhibiting said EFG proteins activities pharmaceutical or phytosanitary compositions comprising such compounds.



WO 03/076464 A2